

Searching PAJ

MENU**NEWS****HELP**

Search Results : 10

Index Indication

Clear

Text Search

If you want to conduct a Number Search, please click on the button to the right.

Number Search**Applicant,Title of invention,Abstract — e.g. computer semiconductor**

If you use the AND/OR operation, please leave a **SPACE** between keywords.

One letter word or **Stopwords** are not searchable.

semiconductor simulation

AND

AND

boundary condition

AND

AND

AND

AND

Date of publication of application — e.g. 19980401 - 19980405 -

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a **SPACE** between keywords.



Search

Stored data

No.	Publication No.	Title
1.	2003 - 163279	SEMICONDUCTOR DEVICE AND METHOD OF SIMULATING ELECTRIC CHARACTERISTICS OF SEMICONDUCTOR DEVICE
2.	2002 - 203757	BOUNDARY CONDITION INDICATING PROGRAM AND METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE
3.	2002 - 009260	METHOD OF DESIGNING SEMICONDUCTOR DEVICE
4.	2000 - 181367	REFLECTION TYPE SEMICONDUCTOR DISPLAY DEVICE
5.	09 - 148555(1997)	PREPROCESSOR FOR SEMICONDUCTOR ELEMENT DEVICE SIMULATOR
6.	05 - 089212(1993)	SIMULATING METHOD FOR SEMICONDUCTOR ELEMENT
7.	04 - 148564(1992)	METHOD OF SIMULATION OF SEMICONDUCTOR ELEMENT
8.	03 - 215946(1991)	SIMULATION OF COMPOUND SEMICONDUCTOR DEVICE
9.	02 - 224228(1990)	SHAPE SIMULATION
10.	01 - 309352(1989)	OPTIMUM DESIGN SUPPORT APPARATUS OF LSI ALUMINUM WIRING PART FILM STRUCTURE

[Sign in](#)[Go to Google Home](#)[Web](#) [Images](#) [Video^{New!}](#) [News](#) [Maps](#) [more »](#)

neumann and boundary and mirror

[Search](#)[Advanced Search](#)[Preferences](#)The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)**Web**Results 1 - 10 of about 157,000 for **neumann and boundary and mirror**. (0.27 seconds)

First Uniqueness Theorem - SIMION

Nuemann **boundary** conditions are defined as 0 on **mirror** planes (SIMION **mirror** X/Y/Z).... To avoid ambiguities sometimes present in **Neumann boundaries**, ...[www.simion.com/info/First_Uniqueness_Theorem](#) - 15k - [Cached](#) - [Similar pages](#)

Motion-induced radiation from a dynamically deforming **mirror** ...

We study the dynamical Casimir effect for a scalar field satisfying the (generalized)

Neumann boundary condition on a deforming **mirror**. ...[adsabs.harvard.edu/abs/2005PhRvA..71f3814M](#) - [Similar pages](#)

[math/0607400] **Mirror** couplings and **Neumann** eigenfunctions

Mirror couplings and **Neumann** eigenfunctions ... eigenvalue is simple for the Laplacian with **Neumann boundary** conditions for the same class of domains. ...[arxiv.org/abs/math.PR/0607400](#) - 5k - [Cached](#) - [Similar pages](#)

[PDF] **MIRROR COUPLINGS AND NEUMANN EIGENFUNCTIONS**

File Format: PDF/Adobe Acrobat - [View as HTML](#)**Neumann boundary** conditions is simple. 3 **Mirror** coupling analysis. We start by a review of definitions and results from [3] on **mirror** couplings of reflected ...[www.math.washington.edu/~burdzy/Papers/rami.pdf](#) - [Similar pages](#)

[PDF] **NEUMANN EIGENFUNCTIONS AND BROWNIAN COUPLINGS** Krzysztof Burdzy

File Format: PDF/Adobe Acrobat - [View as HTML](#)**Neumann boundary** conditions in a bounded Euclidean domain attains its maximum at ... processes forming a **mirror** coupling can indeed hit the **boundary** at the ...[www.math.washington.edu/~burdzy/Papers/iwpt.pdf](#) - [Similar pages](#)

[PDF] **A point source of oscillations near a concave **mirror**. II**

File Format: PDF/Adobe Acrobat

The integrands in the case of the **Neumann boundary** condition are singular ... Case of aSource Located Directly on the **Mirror**. A Neighborhood of the ...[www.springerlink.com/index/U7788M22N68670V4.pdf](#) - [Similar pages](#)

[PDF] **Analysis of substrate coupling by means of a stochastic method** ...

File Format: PDF/Adobe Acrobat

Second Case—**Neumann** Insulating **Boundary**: The Neu- man condition. on an insulating **boundary** can. be efficiently imposed by supposing to **mirror** the original ...[ieeexplore.ieee.org/iel5/55/21684/01004232.pdf](#) - [Similar pages](#)

[PDF] **Dynamical Casimir effect with Dirichlet and **Neumann** boundary** ...

File Format: PDF/Adobe Acrobat

Neumann boundary condition (BC) at the instantaneous position of the plate. ... Dirichlet and **Neumann** BC yield the same force on a moving **mirror** (in the ...[www.iop.org/EJ/article/0305-4470/36/44/011/a3_44_011.pdf](#) - [Similar pages](#)

[PDF] **Neumann Eigenfunctions and Brownian couplings**

File Format: PDF/Adobe Acrobat - [View as HTML](#)Part I. Brownian Couplings. and **Neumann** Eigenfunctions ... temperature at at time (**Neumann**. **boundary** conditions) ... **Mirror** couplings for reflected BM ...

www.math.cmu.edu/cna/Summer06/lecturenotes/burdzy/CMU1.pdf - [Similar pages](#)

[PDF] [Spectral problems with mixed Dirichlet-Neumann boundary conditions ...](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

of the unit disk D , with alternating Dirichlet and **Neumann boundary** ... **mirror** image with respect to the axis $\{\arg z = \beta\}$. Let. (3.2.1) ...

www.math.mcgill.ca/jakobson/papers/JLNPIsosp.pdf - [Similar pages](#)

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

[neumann and boundary and mirror](#)

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2006 Google



PICA and boundary and simulation and semic Advanced Scholar Search
[Scholar Preferences](#) [Scholar Help](#)

The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

Scholar [All articles](#) [Recent articles](#) Results 1 - 10 of about 87 for **PICA and boundary and simulation and semiconductor**

Solution of the hydrodynamic device model using high-order nonoscillatory shock capturing algorithms - group of 2 »

E Fatemi, J Jerome, S Osher - Computer-Aided Design of Integrated Circuits and Systems, ..., 1991 - ieeexplore.ieee.org
 ... problems in gas dynamics, but are being employed in **semiconductor simulation** here
 for ... equations of the hydrodynamic system and the system **boundary** conditions ...

[Cited by 47](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#)

Advanced semiconductor modeling using the EMTP

TOC View - Computers in Power Electronics, 1994., IEEE 4th Workshop on, 1994 - ieeexplore.ieee.org
 ... 1mhg(M1)Ip+(C0+gittIS (6) Hole and electron currents are defined at the **boundary**
 of the ... [14 1 L. Dube and HW Dommel, 'Simulation of control ... **PICA** Conf., pp. ...
[Web Search](#)

Thermal effects and electro-thermal modeling in power bipolar transistors - group of 2 »

G Breglio, S Pica, P Spirito - ... , 1997. Proceedings., 1997 21st International Conference on, 1997 - ieeexplore.ieee.org
 ... is a function of the device under **simulation** (DUS) layout ... **Pica** is with Ansaldo Trasporti
 SpA, via delle Brecce, 80100 Naples ... The thermal **boundary** conditions at ...
[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

IEEE ELECTRON DEVICES SOCIETY MEETINGS CALENDAR

JA Sjoberg-Deadline, P Due, DY Goswami-Deadline, ... - ieeexplore.ieee.org
 ... Compound **Semiconductor** Devices Experimental and Theoretical Characteristics ... in Bipolar
 Circuit **Simulation** and Application ... Cathode by a **Boundary** Element Method ...
[Web Search](#)

OPTOELECTRONIC DEVICE SIMULATION

J Hader, JV Moloney, SW Koch, WW Chow, WCH Choy, ... - ieeexplore.ieee.org
 ... 698 **Boundary** Effects on the Optical Properties of InGaN ... Multilevel Behavioral **Simulation**
 of VCSEL-Based Optoelectronic Modules ... style dictates a 21-pica (3.5-in ...
[Web Search](#)

... of the "Holey Shmoos": A Case Study of Advanced DFD and Picosecond Imaging Circuit Analysis (**PICA**) - group of 3 »

W Huott, M McManus, D Knebel, S Steen, D Manzer, P ... - Proceedings of the 1999 IEEE International Test Conference, 1999 - doi.ieeecomputersociety.org
 ... many non- repeatable holes at the pass/fail **boundary**. ... While the **simulation** miss-correlation is actually quite ... **PICA** analysis until hitting on the solution with ...
[Cited by 9](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

... due to multi-phonon mechanism analyzed by lattice and device Monte Carlo coupled **simulation** - group of 3 »

S Ho, Y Ohkura, M Takuya, J Prasad, N Nakamura, S ... - **Simulation of Semiconductor Processes and Devices**, 2002. ..., 2002 - ieeexplore.ieee.org
 ... gate electrode requires less than **pica**-seconds. ... **Boundary** conditions of potential profile and carrier distribution ... DMC are obtained by the continuum **simulation**. ...
[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

Compound Semiconductor Devices A Novel Temperature-Dependent Large-Signal Model of Heterojunction ...

S Wang, R Sidhu, G Karve, F Ma, X Li, XG Zheng, JB ... - ieeexplore.ieee.org
... N. Li, AL Holmes, Jr., and JC Campbell 2107 **Boundary** Effects on ... Call for Papers—2003
International Conference on **Simulation of Semiconductor** Processes and ...
[Web Search](#)

Quantitative internal thermal energy mapping of semiconductor devices under short current stress ... - group of 3 »

D Pogany, S Bychikhin, C Furbock, M Litzenberger, ... - Electron Devices, IEEE Transactions on, 2002 - ieeexplore.ieee.org
... 1(a)] at which **boundaries** within the time of ... The **simulation** of , based on a pure
thermal ... QUANTITATIVE INTERNAL THERMAL ENERGY MAPPING OF SEMICONDUCTOR DEVICES ...
[Cited by 21 - Related Articles](#) - [Web Search](#) - [BL Direct](#)

Monte Carlo simulation of laser induced chemical vapor deposition - group of 4 »

Y Zeiri, U Atzmony, J Bloch, RR Lucchese - Journal of Applied Physics, 1991 - fh.huji.ac.il
... the bound- aries were the same as those at the **boundary**. ... (**simulation** 2) or when both
I0 and PT were reduced (sim ... A. Houle, C. R. Jones, T. Baum, C. **Pica**, and C ...
[Cited by 3 - Related Articles](#) - [View as HTML](#) - [Web Search](#)

Gooooooooogle ►

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [Next](#)

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2006 Google

Dial g DataStar

[options](#)[logoff](#)[feedback](#)[help](#)[databases](#)[easy](#)[search](#)

Advanced Search:

Inspec - 1898 to date (INZZ)

[limit](#)

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	simulation AND boundary AND mirror	unrestricted	108	show titles
2	INZZ	1 AND semiconductor	unrestricted	9	show titles
3	INZZ	neumann AND simulation AND semiconductor	unrestricted	44	show titles
4	INZZ	3 AND boundary	unrestricted	13	show titles
5	INZZ	4 AND (mirror OR virtual)	unrestricted	0	-

[hide](#) | [delete all search steps...](#) | [delete individual search steps...](#)Enter your search term(s): [Search tips](#) Thesaurus mapping whole document[search](#)Information added since: or: (YYYYMMDD) Documents with images

Select special search terms from the following list(s):

- Publication year 1950-
- Publication year 1898-1949
- Inspec thesaurus - browse headings A-G
- Inspec thesaurus - browse headings H-Q
- Inspec thesaurus - browse headings R-Z
- Inspec thesaurus - enter a term
- Classification codes A: Physics, 0-1
- Classification codes A: Physics, 2-3
- Classification codes A: Physics, 4-5
- Classification codes A: Physics, 6

- ➡ Classification codes A: Physics, 7
- ➡ Classification codes A: Physics, 8
- ➡ Classification codes A: Physics, 9
- ➡ Classification codes B: Electrical & Electronics, 0-5
- ➡ Classification codes B: Electrical & Electronics, 6-9
- ➡ Classification codes C: Computer & Control
- ➡ Classification codes D: Information Technology
- ➡ Classification codes E: Mech., Manufac. & Production Engineering
- ➡ Treatment codes
- ➡ Inspec sub-file
- ➡ Language of publication
- ➡ Publication types

[Top](#) - [News & FAQS](#) - [Dialog](#)

© **2006** Dialog

Dial g DataStar

[options](#)
[logoff](#)
[feedback](#)
[help](#)
[databases](#)
[search](#)
[page](#)


Titles

To view one or many selected titles scroll down the list and click the corresponding boxes. Then click display at the bottom of the page. To view one particular document click the link above the title to display immediately.

Documents 1 to 13 of 13 from your search "**(neumann AND simulation AND semiconductor) AND boundary**" in all the available information:

Number of titles selected from other pages: 0

[Select All](#)

1 [display full document](#)

2003. (INZZ) An event bias technique for Monte Carlo device **simulation**.

2 [display full document](#)

2002. (INZZ) Numerical modeling of transport processes in semiconductors.

3 [display full document](#)

2003. (INZZ) The stationary Monte Carlo method for device **simulation**. I. Theory.

4 [display full document](#)

2001. (INZZ) Potential sources of error in electron beam induced current **simulation**.

5 [display full document](#)

1999. (INZZ) Device **simulation** of SOI MOSFET taking account of thermal resistance.

6 [display full document](#)

1998. (INZZ) Stability of current filaments in a bistable **semiconductor** system with global coupling.

7 [display full document](#)

1997. (INZZ) A method for unified treatment of interface conditions suitable for device **simulation**.

8 [display full document](#)

1996. (INZZ) Enhanced multipole acceleration technique for the solution of large Poisson computations.

9 [display full document](#)

1996. (INZZ) A fast Poisson solver for realistic **semiconductor** device structures.

10 [display full document](#)

1992. (INZZ) The growth of homogeneous **semiconductor** crystals in a centrifuge by the stabilizing influence of the Coriolis force.

11 [display full document](#)

1991. (INZZ) Efficient device **simulation** for small scale circuit level analysis.

12 [display full document](#)

1989. (INZZ) The influence of **boundary** locations on wiring capacitance **simulation**.

13 [display full document](#)

1982. (INZZ) Reduction of surface-potential ripple in MOST **simulation** through an automatic local FE-mesh

refinement.

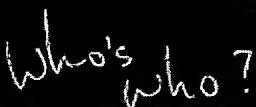
Selection	Display Format	Output Format	ERA SM Electronic Redistribution & Archiving	Action
<input checked="" type="radio"/> from this page <input type="radio"/> from all pages	<input checked="" type="radio"/> Full <input type="radio"/> Free <input type="radio"/> Short <input type="radio"/> Medium <input type="radio"/> Custom Help with Formats	<input checked="" type="radio"/> HTML <input type="radio"/> Tagged (for tables) <input type="radio"/> PDF <input type="radio"/> RTF <input type="radio"/> XML	Copies you will redistribute: <input type="text"/> Employees who will access archived record(s): <input type="text"/> Help with ERA	<input type="button" value="display"/> <input type="button" value="save"/> <input type="button" value="print preview"/> <input type="button" value="HTML/tagged"/>
				<input type="button" value="order"/>
Sort your entire search result by				<input type="button" value="sort"/>
<input type="checkbox"/> Publication year				<input checked="" type="checkbox"/> Ascending

Top - News & FAQS - Dialog

© 2006 Dialog



The Scopus Author Identifier takes the
guesswork out of author searching.


[About Us](#)
[Newsroom](#)
[Advisory Board](#)
[Submit Web Site](#)
[Help](#)
[Contact Us](#)
[Basic Search](#)
[Advanced Search](#)
[Search Preferences](#)
[Saved Results](#)

Journal sources Preferred Web sources Other Web sources Exact phrase

Searched for:: :All of the words:semiconductor AND (boundary AND condition AND (mirror OR virtual))

Found:: :413 total | [305 journal results](#) | [2 preferred web results](#) | [106 other web results](#)

Sort by:: :relevance | [date](#)

Your query was rewritten to:

semiconductor AND ("boundary condition" AND (mirror OR virtual))

We did this by adding quotes to common phrases, and by removing non-essential words.

- [Repeat without rewrite](#)

Refine your search using these keywords found in the results:

[device simulation](#)

[hamiltonian](#)

[interpolation methods](#)

[nucleation](#)

[phonon](#)

[quantum well](#)

[recombination](#)

[semiconductor lasers](#)

Or refine using:

1. [Japan Jisso Technology Roadmap 1999](#) [PDF-939K]

Sep 2000

...circuit designs, electronic components (**semiconductors**, passive components, and printed wiring...Packaging, Telecommunication Systems, **Semiconductor** Devices Authors: Electronic Industries...organizations: International SEMATECH, Inc. **Semiconductor** Industry Association (SIA) **Semiconductor**...

[<http://www.sematech.org/docubase/document/3950beng.pdf>]
[similar results](#)

2. [Microsoft Word - thesis98.doc](#) [PDF-197K]

Oct 1998

Semiconductor Device Modelling using Numerical Partial Differential...Engineering, I present the following thesis entitled "Semiconductor Device Modelling using Numerical Partial Differential...using such a general purpose numerical solver for **semiconductor** device modelling and for the study and teaching of...
[more hits from](#) [<http://innovexpo.itee.uq.edu.au/1998/thesis/seeta/thes...>]
[similar results](#)

3. [On the Transmission of Light](#) [PDF-329K]

Feb 2000

...reflection in a special "phase-conjugating" **mirror** (studied in the last chapter of this...3 1.3 Phase-conjugating **mirror**...diffusion equation with extrapolated-**boundary condition** 23 2.1 Exact calculation of the transmittance...8 Brightness of a phase-conjugating **mirror** behind a random medium 131 8.1 Formulation...
[more hits from](#) [<http://www.lorentz.leidenuniv.nl/beenakker/theses/paas...>]
[similar results](#)

4. [rand.dvi](#) [PDF-398K]

Feb 1998

Scrape-off layer physics: an introduction (to be published) Ralf Schneider, Max-Planck-Institut f" ur Plasmaphysik, EURATOM association, Garching, Germany Contents 1 Introduction 5 2 Motivation 7 3 Power and particle

exhaust concepts 9 3.1 Limiter
[<http://www.ipp.mpg.de/~dpc/rfs.pdf>]
[similar results](#)

5. [Microsoft Word - 1Niigata-Intro-12/7.v1](#) [PDF-245K]

Dec 2000

...microprocessor --a computer on a single **semiconductor** chip. The first microprocessor...three-dimensional immersive and interactive **virtual** environments. **Virtual** environment such as PyramidSystems...real time. Furthermore, with **virtual** environment the observer is...
[<http://sunmp.cclms.lsu.edu/cclms/teaching/Niigata-Lect...>]
[similar results](#)

6. [ICASSP'95 Table of Contents](#) [PDF-2MB]

Mar 1995

Soong, Chao-Shih Huang Text-Dependent Speaker Verification Using Data Fusion 349 Kevin R. Farrell Neural Net Approaches to Speaker Verification: Comparison with Second Order Statistic Measures 353 M.
[http://viola.usc.edu/paper/ICASSP1995/PDF/AAA_TOC.PDF]
[similar results](#)

7. [InGaAsP Quantum Well Cells for Thermophotovoltaic Applications](#) [PDF-267K]

Oct 2000

...82 4.18 Dark currents of InGaAsP QWC(MR1178), bulk GaSb and InGaAs MIM. 83 4.19 Modelled internal QE (with back-**mirror**) of InGaAsP QWC, bulk In- GaAs MIM and GaSb. Also indicated are the spectra simulating Ytter- bia and Erbia (not to scale...
[http://www.sc.ic.ac.uk/~q_pv/carsten/thesis.pdf]
[similar results](#)

8. [Evaluation of temperature rise on semiconductor surfaces associated with scanning Ar[±] lasers](#)

Shi, B.Q. / Tu, C.W., Journal of Crystal Growth, Jul 2000

...surface reflectivity of the **semiconductor**. Outside of the laser-irradiated...temperature rise, we can have the **boundary condition** on the **semiconductor** surface plane (z=0 and...report. In one case, the **semiconductor** is assumed to be of an...

Published journal article available from 

[view all 208 results from ScienceDirect](#)

[similar results](#)

9. [John von Neumann Institute for Computing](#) [PDF-382K]

Apr 2000

John von Neumann Institute for Computing Ab initio molecular dynamics: Theory and Implementation Dominik Marx and J "urg Hutter published in Modern Methods and Algorithms of Quantum Chemistry, J. Grotendorst (Ed.), John von Neumann Institute for Computing, J "ulich, NIC Series, Vol. [<http://www.fz-juelich.de/nic-series/Volume1/marx.pdf>]
[similar results](#)

10. [Word Pro - ch1aforcdonly.lwp](#) [PDF-298K]

Nov 1999

...detail 49 Summary description of the program 47 A model that includes the inside air as an active participant instead of a **boundary condition** 3. The model 45 Measurement of sorption and permeability 43 The usefulness of the chamber 40 Measuring RH within the test...
[http://www.natmus.dk/cons/tp/phd/tp_phd.pdf]
[similar results](#)

11. [Studies of Light Emission and Epitaxial Growth on Crystal Surfaces](#) [PDF-342K]

Jun 2000

...May, 2000 © 2000 Paul Gregory Evans All rights reserved. i Abstract The integration of novel structures and devices into **semiconductor** electronics requires a detailed understanding of the physical phenomena exhibited by impurities at crystal surfaces. Using...

[more hits from \[http://deas.harvard.edu/matsci/theses/evansp.pdf\]](http://deas.harvard.edu/matsci/theses/evansp.pdf)

[similar results](#)

12. STM experiment and atomistic modelling hand in hand: Individual molecules on semiconductor surfaces

Briggs, G.A.D. / Fisher, A.J., Surface Science Reports, Mar 1999

...the study of adsorbates on surfaces of **semiconductors**, and to give a limited objective to...chemistry of two technologically important

semiconductor surfaces: the (0 0 1) surfaces of silicon...work with vacuum does not demand such **virtual** concepts a real vacuum is seething with...

Published journal article available from 

[view all 208 results from ScienceDirect](#)

[similar results](#)

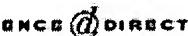
13. Organometallic vapor phase epitaxy (OMVPE)

Breiland, W.G. / Coltrin, M.E. / Creighton, J.R. / Hou, H.Q. / Moffat,

H.K. / Tsao, J.Y., Materials Science and Engineering: R: Reports, Feb 1999

...and technology of compound **semiconductor** OMVPE. VCSEL

heterostructure...suggests, are a class of **semiconductor** laser in which an active...AlGaAs/AlGaAs quarter-wave **mirror** periods, (c) a one-wave optical...and low-refractive-index **semiconductor** layers. By spacing the multiple...

Published journal article available from 

[view all 208 results from ScienceDirect](#)

[similar results](#)

14. URSI National Radio Science Meeting [PDF-159K]

Mar 1997

1 1995 IEEE International Antennas & Propagation Symposium and URSI National Radio Science Meeting Newport Beach California Newport Beach Marriott Hotel and Tennis Club Newport Beach California June 18 - June 23, 1995 Contents Chairman's Welcome

[<http://emlib.jpl.nasa.gov/EMLIB/APS95/ADVPRG/SESS/ADvP...>]

[similar results](#)

15. Mathematical modeling of thermal runaway in semiconductor laser operation

W. R. Smith, Journal of Applied Physics, Jun 2000

...problem and two layers close to the **mirror** facet. B. Short thermal time scale...then givesWe thus obtain with one **boundary condition** at given by and the other to be...implies We thus obtain with one **boundary condition** at given by and the other to be...that Therefore we can prescribe the **boundary condition** at by We summarize the nonlinear...

Published journal article available from 

[view all 42 results from Scitation](#)

[similar results](#)

16. Theoretical discharge coefficient of a critical circular-arc nozzle with laminar boundary layer and its verification by...

Ishibashi, M. / Takamoto, M., Flow Measurement and Instrumentation, Dec 2000

...super accurate lathes, which achieved **mirror** finish without polishing thus resulting...resolution of +/- 0.01 μ m thus achieving a **mirror** finish without polishing therefore...layer calculation. One of them is the **boundary condition** of the velocity distribution to calculate...

Published journal article available from 

[view all 208 results from ScienceDirect](#)

[similar results](#)

- 17.** [Modeling and Reduction with Applications to Semiconductor](#) [PDF-443K]
Oct 2000

...and Reduction with Applications to **Semiconductor** Processing by Andrew J. Newman Advisor...AND REDUCTION WITH APPLICATIONS TO **SEMICONDUCTOR** PROCESSING Andrew J. Newman, Doctor...pertaining to control and optimization of **semiconductor** processing. The first part (Chapters...

[more hits from](#) http://techreports.isr.umd.edu/reports/1999/PhD_99-5.p...

[similar results](#)

- 18.** [On the reduction of direct tunneling leakage through ultrathin gate oxides by a one-dimensional Schrödinger-Poisson solver](#)

Eric Cassan, *Journal of Applied Physics*, Jun 2000

...barrier shapes, metal and **semiconductor** compositions and doping...Fig.) deep enough in the **semiconductor** substrate to fairly describe the **boundary condition** at the right side. The **boundary condition** to apply at the left side...

Published journal article available from 

[view all 42 results from Scitation](#)

[similar results](#)

- 19.** [Modelling the nano-scale phenomena in condensed matter physics via computer-based numerical simulations](#)

Rafii-Tabar, H., *Physics Reports*, Mar 2000

...original N atoms. This is the periodic **boundary condition** (PBC), and is introduced to remove...the real (r_i, p_i) system, the **virtual** (r_i, p_i) system, the real extended (r_i, p_i, s, p_s) system and the **virtual** extended (r_i, p_i, s, p_s) system...real physical system to those of the **virtual** system, such that the micro-canonical...

Published journal article available from 

[view all 208 results from ScienceDirect](#)

[similar results](#)

- 20.** [Coherent interaction of Fano resonances in nonstationary quantum structures](#)

Kim, C.S. / Satanin, A.M., *Physica E*, Nov 1999

...problem of electron transport in **semiconductor** structures under nonstationary driving...electron transmission through the **semiconductor** nanostructure described by Eq...indicates a formation of two nearby **virtual mirrors**, i.e. an electronic Fabry-Perot...independent solutions under the Sommerfeld **boundary condition** [23] . We have recognized that the...

Published journal article available from 

[view all 208 results from ScienceDirect](#)

[similar results](#)

fast

Results Pages: [[<< Prev](#)] [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [[Next >>](#)] [back to top](#)

[Downloads](#) | [Subscribe to News Updates](#) | [User Feedback](#) | [Advertising](#)
[Tell A Friend](#) | [Terms Of Service](#) | [Privacy Policy](#) | [Legal](#)

[Powered by FAST](#) © Elsevier 2006